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| Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 09/977,636 |
| | | | | Filing Date | October 15, 2001 |
| | | | | First Named Inventor | Willaim P. Apps et al. |
| | | | | Group Art Unit | 3632 |
| | | | | Examiner Name | Unknown |
| Sheet | 1 | of | 3 | Attorney Docket Number | RPC 0554 PUS |

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| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| Examiner Initials | Cite No. ¹ | U.S. PATENT DOCUMENT | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
| Sc | 1 | Des. 152,907 | | Richards | 9/16/46 | + |
| | 2 | 4,773,554 | | Warwick | 9/27/88 | + |
| | 3 | 4,899,874 | | Apps, Rehrig | 2/13/90 | + |
| | 4 | 4,928,841 | | Arthurs | 5/29/90 | + |
| | 5 | 4,978,002 | | Apps et al | 12/18/90 | + |
| | 6 | Des. 318,552 | | Apps | 7/23/91 | + |
| | 7 | 5,060,819 | | Apps | 10/29/91 | + |
| | 8 | Des. 319,129 | | Apps, Rehrig | 8/13/91 | + |
| | 9 | Des. 320,298 | | Apps, et al | 9/24/91 | + |
| | 10 | Des. 325,279 | | Apps | 4/7/92 | + |
| | 11 | Des. 327,357 | | Rehrig | 6/23/92 | + |
| | 12 | Des. 327,972 | | Apps et al | 7/14/92 | + |
| | 13 | Des. 329,931 | | Apps | 9/29/92 | + |
| | 14 | 5,184,748 | | Apps | 2/9/93 | + |
| | 15 | 5,267,649 | | Apps, Lang-Ree | 12/7/93 | + |
| | 16 | Des. 343,042 | | Apps, Koefeldt | 1/4/94 | + |
| | 17 | 5,285,899 | | Apps, Lang-Ree | 2/15/94 | + |
| | 18 | 5,305,884 | | Apps, Kalin | 4/26/94 | + |
| | 19 | 5,316,172 | | Apps, Lang-Ree | 5/31/94 | + |
| | 20 | 5,320,245 | | Apps, Koefeldt | 6/14/94 | + |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|--|--|--|----------------|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
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| Examiner Signature | <i>S. Cattellano</i> | Date Considered | 8/02 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form 1449A/PTO

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Sheet

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of

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Complete if Known

Application Number

09/977,636

Filing Date

October 15, 2001

First Named Inventor

William P. Apps et. al.

Group Art Unit

3632

Examiner Name

Unknown

Attorney Docket Number

RPC 0554 PUS

U.S. PATENT DOCUMENTS

| Examiner Initials | Cite No. ¹ | U.S. PATENT DOCUMENT | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Class / Sub Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear |
|----------------------|--------------------------|----------------------|--------------------------------------|--|--|--|
| | | Number | Kind Code ² (if known) | | | |
| AC | 21 | 5,323,925 | | Apps | 6/28/94 | + |
| | 22 | Des. 356,211 | | Apps, Kalin | 3/14/95 | + |
| | 23 | Des. 356,679 | | Apps, Kalin | 3/28/95 | + |
| | 24 | 5,405,042 | | Apps, et al | 4/11/95 | + |
| | 25 | 5,421,477 | | Hammett | 6/6/95 | + |
| | 26 | Des. 361,431 | | Koefelda | 8/22/95 | + |
| | 27 | Des. 361,663 | | Kalin | 8/29/95 | + |
| | 28 | 5,445,273 | | Apps | 8/29/95 | + |
| | 29 | 5,465,843 | | Koefelda | 11/14/95 | + |
| | 30 | 5,487,487 | | Hammett | 1/30/96 | + |
| | 31 | 5,495,945 | | Apps, Kalin | 3/5/96 | + |
| | 32 | 5,501,352 | | Apps | 3/26/96 | + |
| | 33 | 5,529,176 | | Apps, et. al. | 6/25/96 | + |
| | 34 | Des. 378,249 | | Apps, Koefelda | 3/4/97 | + |
| | 35 | Des. 379,121 | | Apps, Koefelda | 5/13/97 | + |
| | 36 | Des. 379,717 | | Apps, Koefelda | 6/10/97 | + |
| | 37 | Des. 380,613 | | Apps, Koefelda | 7/8/97 | + |
| | 38 | Des. 380,901 | | Apps, Koefelda | 7/15/97 | + |
| | 39 | 5,651,461 | | Apps, Koefelda | 7/29/97 | + |
| se | 40 | 5,660,279 | | Apps, Koefelda | 8/26/97 | + |

FOREIGN PATENT DOCUMENTS

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Examiner
Signature

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Considered

8/02

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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| | | | | Group Art Unit | 3632 |
| | | | | Examiner Name | Unknown |
| Sheet | 3 | of | 3 | Attorney Docket Number | RPC 0554 P |

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|--------------------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| | | Number | Kind Code ³ (if known) | | | |
| Se | 41 | 5,704,482 | | Apps | 6/6/98 | + |
| | 42 | 5,823,376 | | McGrath | 10/20/98 | + |
| | 43 | Des. 400,012 | | Apps | 10/27/98 | + |
| | 44 | 5,842,572 | | Apps, Koefeld | 12/1/98 | + |
| | 45 | 5,855,277 | | Apps, Koefeld | 1/5/99 | + |
| | 46 | Des. 404,204 | | Apps | 1/19/99 | + |
| | 47 | 5,979,654 | | Apps | 11/9/99 | + |
| | 48 | Des. 417,784 | | Umiker | 12/21/99 | + |
| | 49 | 6,006,912 | | McGrath | 12/28/99 | + |
| | 50 | Des. 420,220 | | Apps, Hwang | 2/8/00 | + |
| Se | 51 | 6,047,844 | | McGrath | 4/11/00 | + |
| | 52 | 6,073,793 | | Apps, Hwang | 6/13/00 | + |
| | 53 | 6,079,554 | | Hammett, Heilman | 6/27/00 | + |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials ¹ | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
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| Examiner Signature | <i>S. Castellano</i> | Date Considered | 8/02 |
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